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FIG. 1A

AAG GAA GTG GAG AAC CAG CAG CAG AAG CTG GCC AAC GTG GTG ATC CTG GCC	48
Lys Glu Val Gln Asn Gln Gln Lys Lys Leu Ala Asn Val Val Ile Leu Ala	15
	10
ACC GGC GGC ACC ATC GGC GCT GGC GGC AGC AGC GCC GCC AAC AGC GCC	96
Thr Gly Gly Thr Ile Ala Gly Ala Gly Ala Ser Ala Ala Asn Ser Ala	30
	25
ACC TAC CAG GCT GCC AAG GTT GGC GTC GAC AAG CTG ATT GCC GGC GTG	144
Thr Tyr Gln Ala Lys Val Gly Val Asp Lys Leu Ile Ala Gly Val	45
	40
CCG GAG CTG GCC GAC CTG CCG AAT GTG CGC GGC GAG CAG GTG ATG CAG	192
Pro Glu Leu Ala Asp Leu Ala Asn Val Arg Gly Glu Gln Val Met Gln	60
	55
ATC GCC TCC GAA AGC ATC ACC AAC GAC GAC CTG CTC AAG CTG GCA AGC	240
Ile Ala Ser Glu Ser Ile Thr Asn Asp Asp Leu Leu Lys Leu Ala Ser	75
	70
	80

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FIG. 1B

AGC GTG GCC GAG CTG GGC GAC AGC AAT GAC GTC GAT GGC ATC GTC ATC 288	
Ser Val Ala Glu Leu 85	
	90
	95
	100
ACC CAT GGC ACC GAC GAC CTG GAA GAA ACC GTC TAC TTT TTT AAC CTC 336	
Thr His Gly Thr Asp Thr 100	
	105
	110
	115
GTG GAA AAG ACC GAC GAC AAG AAG CCG ATC GTC GTG GTC GGT TCC ATG CGC CCC 384	
Val Glu Lys Thr Asp Thr 115	
	120
	125
	130
GGC ACC GCC ATG TCC GCC GAC GAC GGC ATG CTC GTC AAC CTG TAC AAC GCC GTG 432	
Gly Thr Ala Met Ser Ala 135	
	140
	145
GCC GTG GCC AGC AAC AAG GAC TCG CGC GGC AAG GGC GTG CTG GTG ACC 480	
Ala Val Ala Ser Asn Lys Asp GAC 150	
	155
	160

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FIG. 1C

ATG AAC GAC GAG ATC CAG TCC GGG CGT GAC GTG AGC AAG TCG ATC AAC 528	Met Asn Asp Glu Ile 165	Gln Ser Gly Arg Asp Val Ser Lys Ser Ile Asn 175
ATC AAG ACC GAA GCC TTC AAG AGC GCC TGG GGC CCG CTG GGC ATG GTG 576	Ile Lys Thr Glu Ala 180	Thr Phe Lys Ser Ala Trp Gly Pro Leu Gly Met Val 190
GTG GAA GGC AAG TCG TAC TGG TTC CGC CTG CCG GCC AAG CGC CAC ACG 624	Val Glu Gly Lys Ser 195	Glu Thr Tyr Trp Phe Arg Leu Pro Ala Lys Arg His Thr 205
GTC AAC TCC GAG TTC GAC ATC AAG CAG ATC AGC AGC CTG CCC CAG GTG 672	Val Asn Ser Glu Phe 210	Asp Ile Trp Tyr Gln Lys Ile Ser Ser Leu Pro Gln Val 220
GAC ATC GCC TAC AGC TAT GGC AAC GTC ACC GAC ACG GCC GCC 720	Asp Ile Ala Tyr Ser 225	Ala Tyr Thr Asp Thr Ala Tyr Lys Ala 240
CTG GCA CAG AAC GGC GCC AAG GCG CTG ATC ATC CAT GCC GGC AAT 768	Leu Ala Gln Asn Glu Ala 245	Gln Ala Leu Ile His Ala Gly Thr Gly Asn 255

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FIG. 1D

GGC TCG GTG TCG TCG CGG GTG GTG CCA GCC CTG CAG GAG CTG CGC AAG 816
Gly Ser Val Ser Ser Arg Val Val Pro Ala Leu Gln Glu Leu Arg Lys 270

AAC GGC GTG CAG ATC ATT CGT TCG TCA CGT CAA CAG GGC GGT TTC GTG 864
Asn Gly Val Val Ile Arg Ser Ser Arg Gln Gln Gly Gly Phe Val 285

CTG CGT AAC GCC GAG CAG CCC GAC GAC AAG AAC GAC TGG GTC GTG GCC 912
Leu Arg Asn Ala Glu Gln Pro Asp Asp Lys Asn Asp Trp Val Val Ala 300

CAC GAC CTG AAC CCG CAG AAG GCC CGC ATC CTG GCG ATG GTG GCA ATG 960
His Asp Leu Asn Pro Gln Lys Ala Arg Ile Leu Ala Met Val Ala Met 315 320

ACC AAG ACC CAG GAC GAG AAG AAG CAG CTG CAG CGC ATT TTC TGG GAA TAC 1008
Thr Lys Thr Gln Asp Ser Lys Glu Leu Gln Arg Ile Phe Trp Glu Tyr 325 330 335

TGATAA

1014

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FIG. 2A

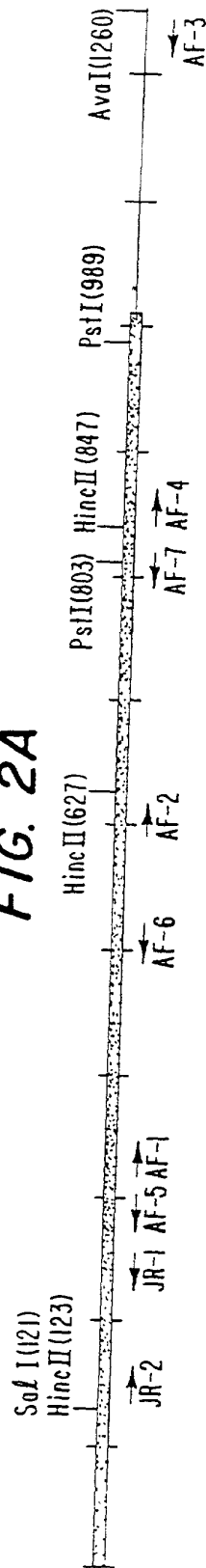
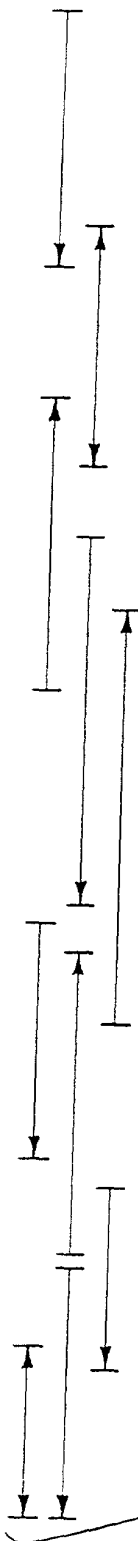


FIG. 2B



Primer

JR-1
 JR-2
 AF-1
 AF-2
 AF-3
 AF-4
 AF-5
 AF-6
 AF-7

Sequence (5' - 3')

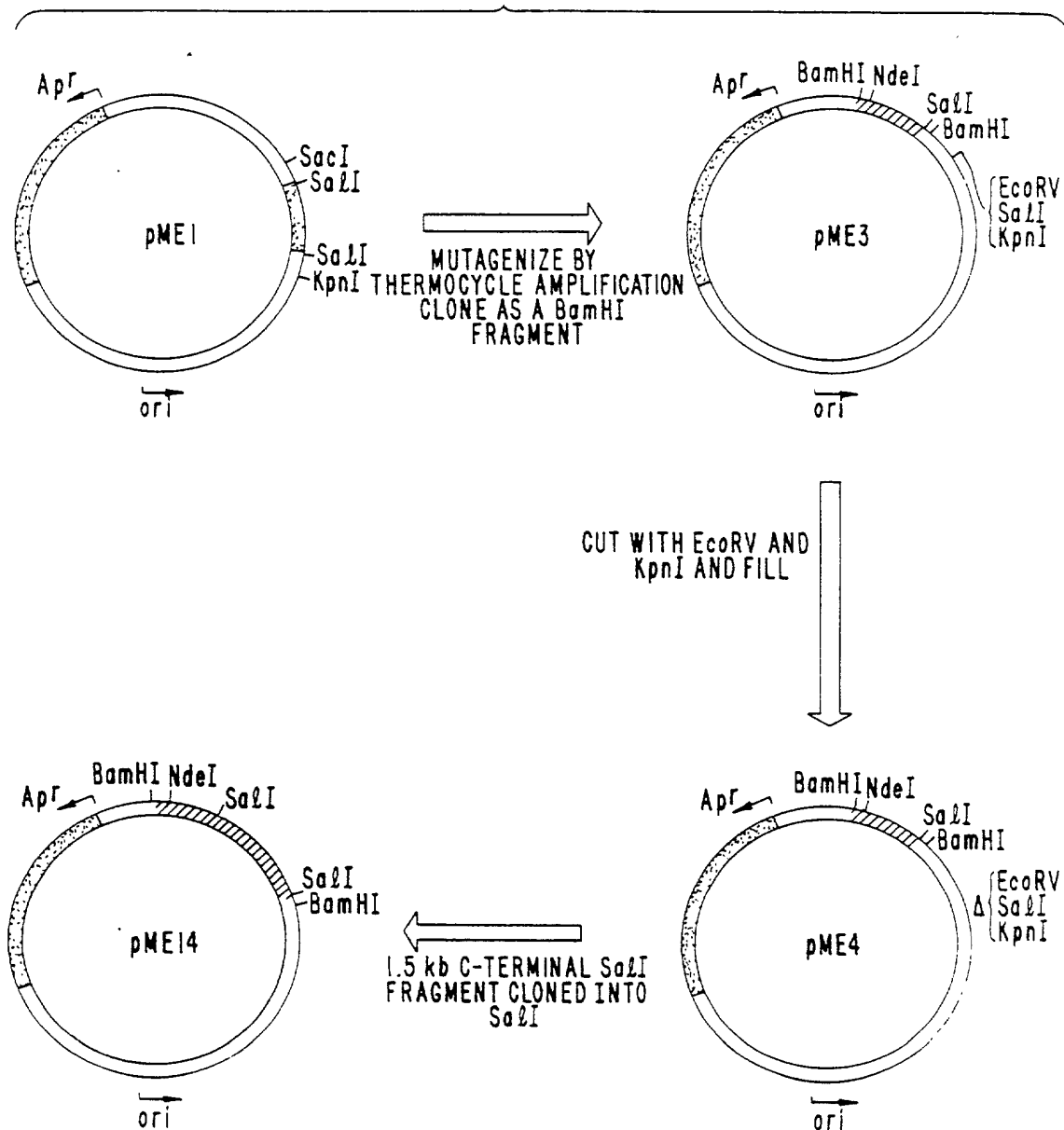
TGCAGCTTGAGCAGGTCGTC
 CTGGCCGACCTGGCCAATGTG
 CCTACTTTTGAACCTCGTG
 CAAGTCGTAAGTTCGCGCC
 CAATCGTCCTGGCGACTCGTG
 GCAGATCAATTCGTTCCCA
 TGACGATGCCATCGACGTCA
 TCACGTCACGCCCGGACTGG
 AGCTCCTGCAGGGCTGGCAC

Coordinates

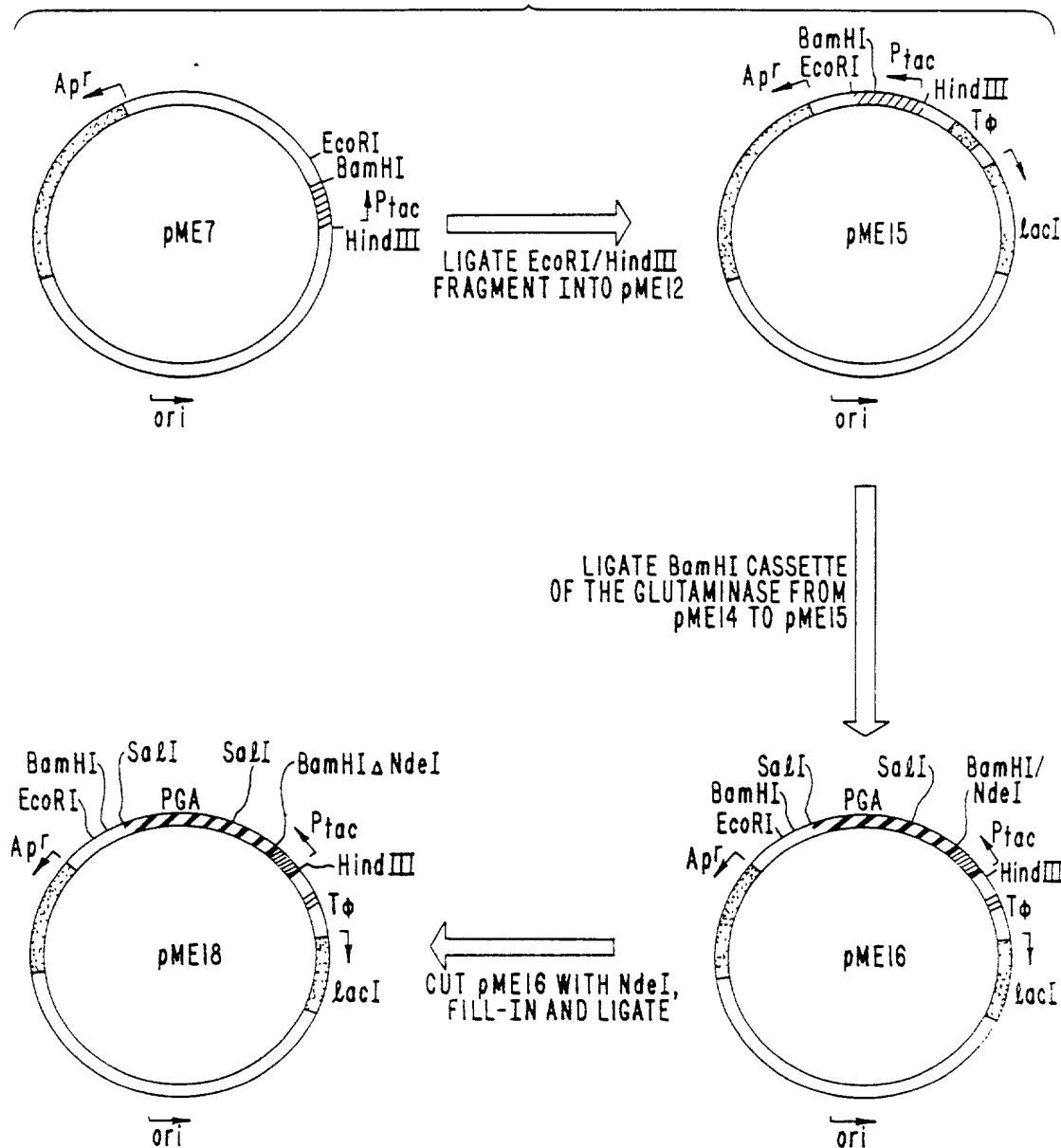
237 - 217
 151 - 171
 320 - 339
 585 - 604
 1250 - 1230
 825 - 843
 286 - 267
 514 - 495
 809 - 790

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FIG. 3A



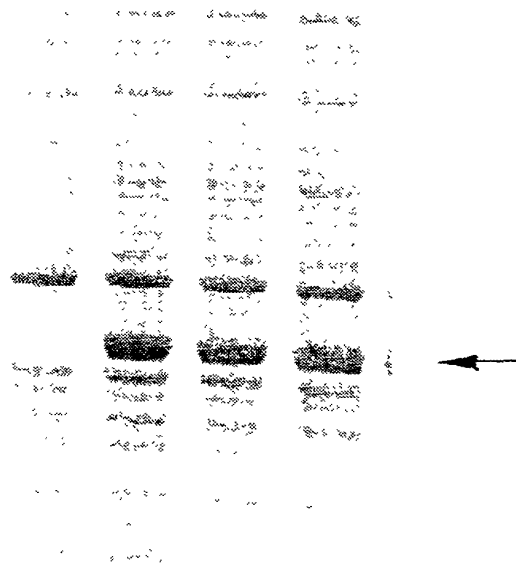
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FIG. 3B

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FIG. 4

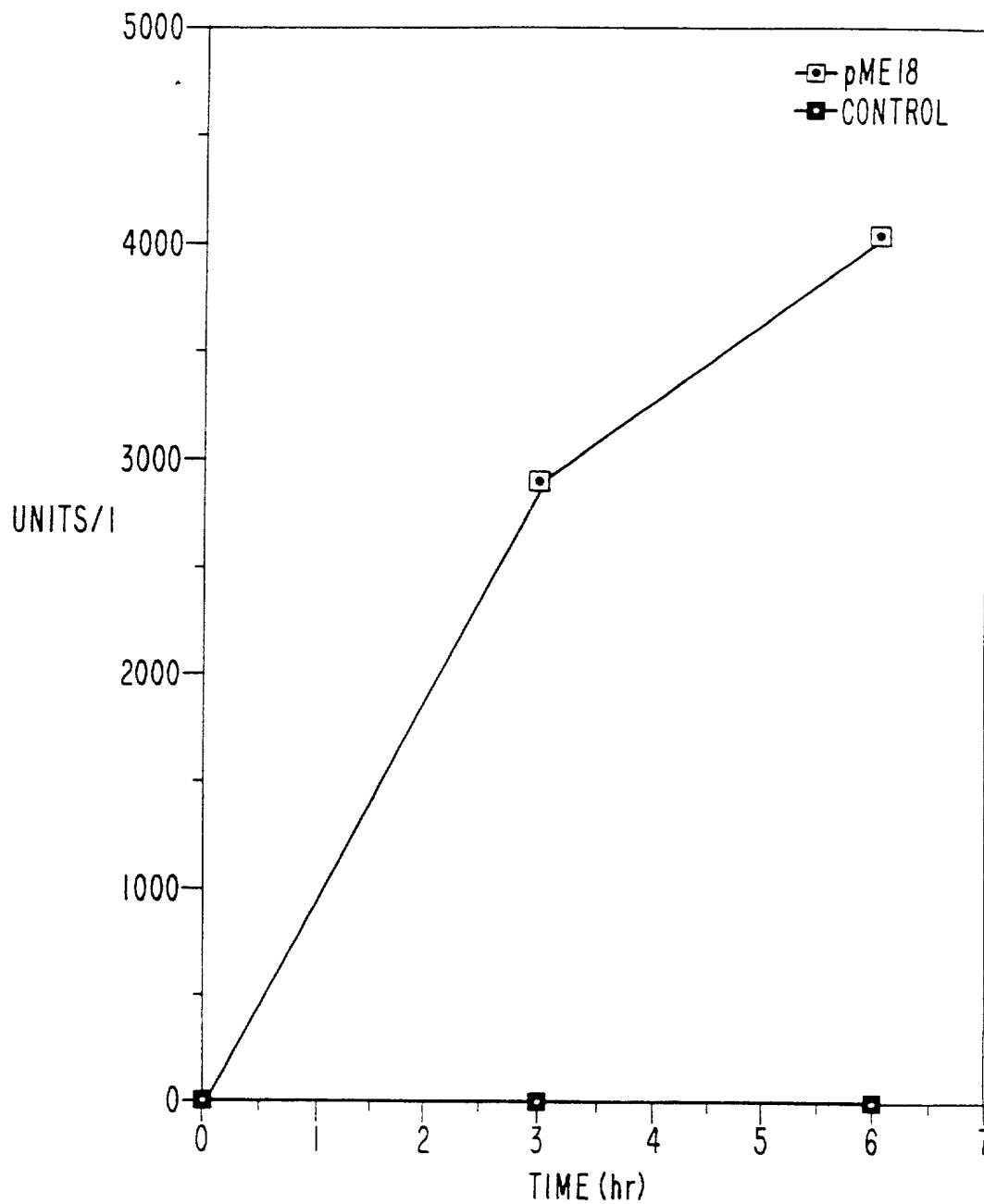
1 2 3 4



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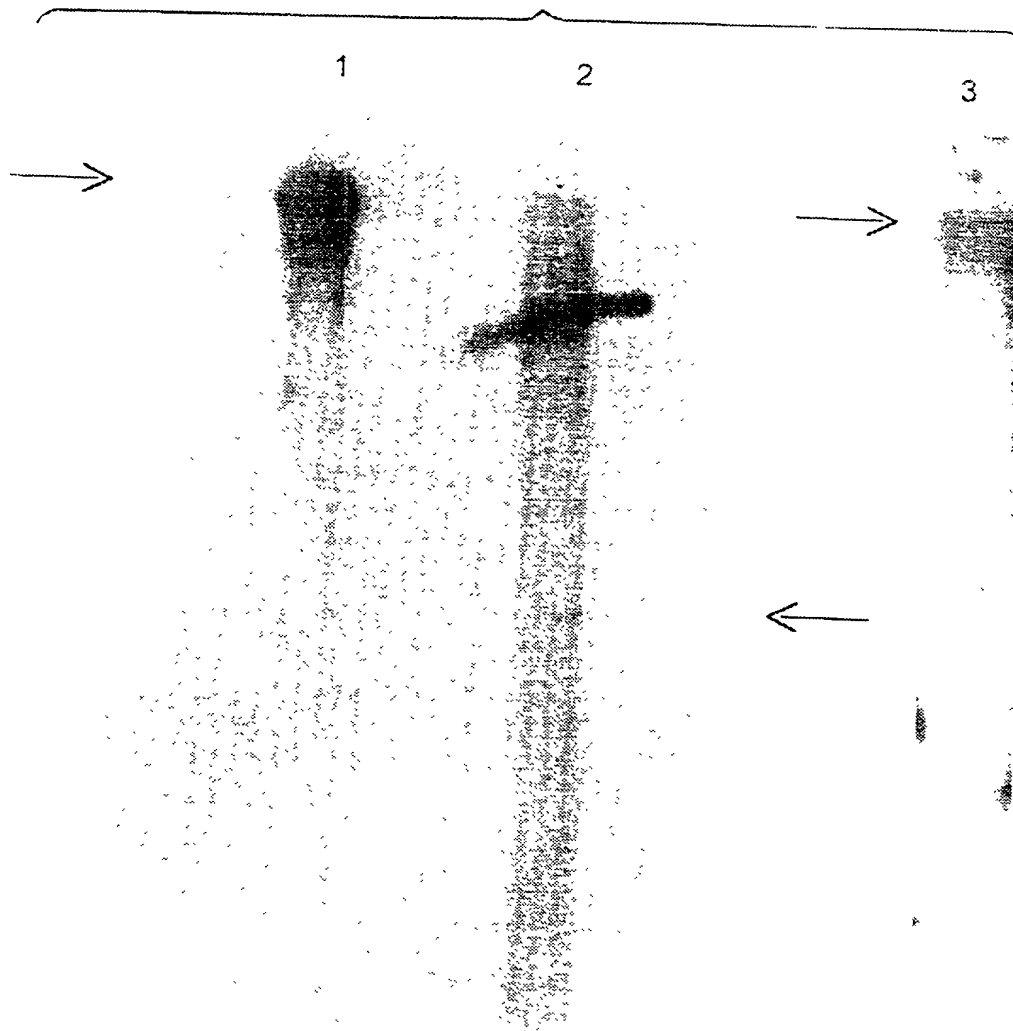
FIG. 5



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FIG. 6



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